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Lisa W. Mullendore  
Lisa W. Mullendore

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: )  
)  
Stirling, Albert )  
) Title: COAXIAL CABLE CONNECTOR WITH  
Serial No.: 10/602,003 ) INTEGRAL GRIP BUSHING FOR  
) CABLES OF VARYING THICKNESS  
Filed: June 24, 2003 )  
)  
Group Art Unit: 2833 )

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT****Preliminary Statements:**

Applicant submits herewith patents, publications, or other information of which it is aware, which it believes it has a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be material pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is prior art for or material to this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(b), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made (37 CFR 1.56(g)) or that no other material information as defined in 37 CFR 1.56(a) exists.

This Information Disclosure Statement is filed after the date of filing the application.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of 1/9/92, 1135 O.G. 13-25 at 25.

**Statement With Respect To Listing of Information:**

A list of the patent(s) and/or publication(s) is set forth on the attached form PTO/SB/08A.

**Statements With Respect To Foreign Language Patents or Publications:**

Canadian Patent 2,207,287 which issued on October 27, 2002 to Albert Stirling, discloses a coaxial cable connector having an internal body and an external body which are assembled together, and which can be activated to clamp upon and seal to an inserted coaxial cable without disassembling the external body from the internal body.

Canadian Patent 2,043,532 which issued on October 18, 1994 to Albert Stirling, discloses a crimpless coaxial cable connector with pull back cable engagement.

Canadian Patent 2,179,003 which issued on August 27, 2004 to Albert Stirling discloses a particular electrical coupling for connecting to coaxial cable housings.

**Statements With Respect To Copies of Listed Information Items:**

A copy of each of the items listed on PTO/SB/08A is supplied herewith except for the following, which I hereby state in accordance with 37 CFR 1.56(b) are not in my possession.

None.

**Concise Explanation of Listed Information Items:**

United States Patent No. 3,854,789 which issued to Kaplan on December 17, 1974, discloses as coaxial connector including a body, a nut threadably engaging the body and means operably upon engagement and tightening of the nut on the body which firmly engages the cable that makes a positive electrical contact, and a moisture sealing means.

United States Patent No. 4,364,958 issued to Blanchard on August 31, 1982, discloses an integral mandrel connector for coaxial cable having two major assemblies which telescope together and grip the prepared end of the cable.

United States Patent No. 4,431,255 issued to Banning on February 14, 1984, discloses a coaxial connector having a useful frequency range extended to 26.5 GHz comprising two separate dielectric support members.

United States Patent No. 4,854,893 issued to Morris on August 8, 1989, discloses a two part coaxial cable connector including a rear nut housing, a ferrule for gripping the sheath of a coaxial cable and a front nut body for gripping the conductor upon threaded engagement of the rear and front nut bodies.

United States Patent No. 5,154,636 issued to Vaccaro *et al* on October 13, 1992, discloses a connector assembly for a coaxial cable having a helically corrugated outer conductor having a unitary clamping member with a threaded inner surface to match the helical corrugations of the outer conductor of the coaxial cable so that the clamping member can be threaded onto the helically corrugated outer conductor.

United States Patent No. 5,439,386 issued to Ellis on August 8, 1995, discloses an environmentally sealed quick disconnect AF connector for use with hard line coaxial cable including a chassis portion for mounting on a chassis and an adapter portion for connection to a hard line coaxial cable.

United States Patent No. 4,339,166 issued to Dayton on July 13, 1992, discloses a push on connector for use in conjunction with television sets and video equipment for connecting a 75 OHM coaxial sheeted cable to the equipment.

United States Patent No. 4,746,305 issued to Nomura on May 24, 1988, discloses a high frequency coaxial connector having a bayonet-tight insertion arrangement for use in high frequency coaxial circuit.

United States Patent No. 2,513,080 issued to Burt on June 27, 1950, discloses a electrical connector containing means provided within the connector to prevent leakage of fluid from one side of the panel board or bulk head on which the connectors adapted to the other side thereof in order that the aircraft cabin may be maintained at the desired air pressure.

United States Patent No. 2,897,470 issued Klassen on July 28, 1959, discloses a multi-lead connector for thermo-couples.

United States Patent No. 2,986,720 issued Chess on May 30, 1961, discloses a connector for coaxial line comprising to complimentary connector cables which are adapted to be secured to the ends of cables of the coaxial type from making a electrical connection of efficient and high power transfer properties and of reliable and rugged character.

United States Patent No. 3,997,230 issued to Secrentan on December 14, 1976, discloses a connector for a small diameter toad sonar array for coupling similar sections together.

United States Patent No. 4,296,986 issued to Herrmann Junior on October 27, 1981, discloses a high voltage connector assembly for terminating a coaxial cable comprising a plug and a receptacle.

United States Patent No. 4,405,196 issued to Fulton on September 20, 1983, discloses a two piece, separable electrical connector to couple mating parts of various components used in high fidelity stereo equipment or the like.

United States Patent No. 3,671,926 issued to Nepovim on June 20, 1972, discloses a connector for attachment to the end of a coaxial cable having a axial core electrode and an outer

conductive sheath electrode including a sheath gripping ferrule and a collet sleeve for gripping an exposed forward end portion of the core electrode.

United States Patent No. 3,847,463 issued to Hayward *et al* on November 12, 1974, discloses a cable connector for electrically connecting a coaxial cable to a fixed device such as a coupler or amplifier having a connector assembly adapted to be secured to a cable and a connector assembly adapted to be secured to the device.

United States Patent No. 4,834,675 which issued to Samchisen on May 30, 1989 discloses a snap and seal connector for coaxial cables, including a connector body and annular compression sleeve and optionally a ceiling nut.

United States Patent No. 4,952,174 which issued to Sucht on August 28, 1990 discloses a coaxial cable connector comprising a body and a nut threadably tightenable to the body.

United States Patent No. 5,011,432 which issued to Sucht on April 30, 1991 discloses a coaxial cable connector for installation and use with a prepared end of a coaxial cable comprising a body and a nut threadably tightenable to the body.

United States Patent No. 5,470,257 issued to Szegda on November 28, 1995 discloses a radial compression type coaxial cable end connector having a connector body and an outer collar.

United States Patent No. 5,667,405 which issued to Holliday on September 16, 1997, discloses a coaxial cable connector wherein a connector sleeve assists in retaining an end of the coaxial cable and a coupling member between the sleeve and the port draws the sleeve into flush engagement with an end of the port, and an improved sealing device in which an annular seal member is interposed between a grooved portion of the forward end wall of the sleeve.

United States Patent No. 4,902,246 issued to Samchisen on February 20, 1990 discloses a snap and seal connector for coaxial cables including a connector body, an annular compression sleeve, and optionally a ceiling nut.

United States Patent No. 5,662,489 issued to Stirling on September 2, 1997 discloses an electrical coupling for connecting to coaxial cable housings.

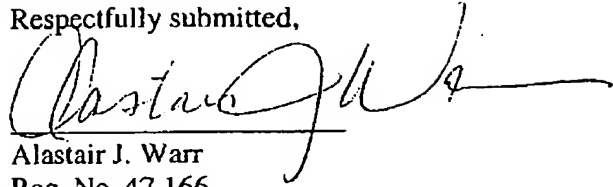
United States Patent No. 5,007,861 issued to Stirling on April 16, 1991 discloses a crimpless coaxial cable connector which can be secured to a cable by pushing the cable onto the connector and subsequently pulling the connector back.

United States Patent No. 6,261,126 issued to Stirling on July 17, 2001 discloses a connector for interconnecting coaxial cable to an electrical device having an internal body with a rotatable nut and an external body with a rotatable nut which are assembled together and which could be activated to clamp upon and seal to an inserted coaxial cable without disassembling the external body from the internal body.

**Identification of Person Making This Information Disclosure Statement:**

The person making this statement is the attorney who signs below on the basis of the information in the attorney's file, supplied by the inventor(s) and reviewed by the attorney.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Alastair J. Warr', written over a horizontal line.

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PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/602,003
Filing Date	06/24/2003
First Named Inventor	Stirling, Albert
Art Unit	2833
Examiner Name	
Attorney Docket Number	DYNA-3

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 3,854,789		Kaplan, Eric S.	
		US- 4,346,958		Blanchard, Clayton	
		US- 4,431,255		Banning, Harmon W.	
		US- 4,854,893		Morris, William E.	
		US- 5,154,636		Vaccaro, Ronald	
		US- 5,439,386		Ellis, William H.	
		US- 4,339,166		Dayton, John P.	
		US- 4,746,305		Nomura, Shinji	
		US- 2,513,080		Burt, H.	
		US- 2,897,470		Klassen, S.	
		US- 2,986,720		Chess, R.	
		US- 3,997,230		Secretan, S.	
		US- 4,296,986		Herrmann, Henry	
		US- 4,405,196		Fulton, Robert W.	
		US- 3,671,926		Nepovim, Zdenek	
		US- 3,847,463		Hayward, Robert D.	
		US- 4,834,675		Samchisen, Edward	
		US- 4,952,174		Sucht, Gayle A.	
		US- 5,011,432		Sucht, Gayle A.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
		CA-2,179,003		Stirling, A.	
		CA-2,207,287		Stirling, A.	
		CA-2,043,532		Stirling, A.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08A (08-03)

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/602,003
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Filing Date	06/24/2003
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First Named Inventor	Stirling, Albert
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Art Unit	2833
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**Examiner Name**

Attorney Dockel Number	DYNA-3
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Sheet	2	of	2
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## U. S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

[illegible]

**Examiner  
Signature**

Date	
Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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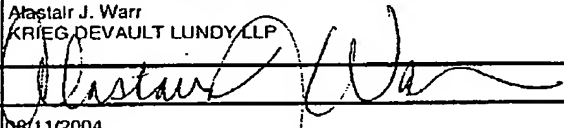
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/602,003	
	Filing Date	06/24/2003	
	First Named Inventor	Stirling, Albert	
	Art Unit	2833	
	Examiner Name		
Total Number of Pages in This Submission	240	Attorney Docket Number	DYNA-3

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Power of Attorney		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Atastair J. Warr KRIEG DEVAULT LUNDY, LLP
Signature	
Date	08/11/2004

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Typed or printed name	Lisa W. Mullendore
Signature	
Date	08/11/2004

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